

### **Amendments of the Claims:**

A detailed listing of all claims in the application is presented below. This listing of claims will replace all prior versions, and listings, of claims in the application. All claims being currently amended are submitted with markings to indicate the changes that have been made relative to immediate prior version of the claims. The changes in any amended claim are being shown by strikethrough (for deleted matter) or underlined (for added matter).

1. (Original): A passive resonant vibration control device for an engine cover or transmission cover, comprising:
  - a) a piezoelectric strain actuator attached to a surface of the engine cover or transmission cover, and
  - b) a resonance circuit interacting with the piezoelectric strain actuator to control, absorb or dissipate structural motion or vibration of the engine or transmission cover resulting from gear or chain-induced vibration, comprising an analog resonant circuit tuned to a resonance frequency of the engine cover or transmission cover which is desired to be controlled.
2. (Original) The vibration control device of claim 1, further comprising a piezoelectric counterforce actuator having an input coupled to the resonant circuit, such that when the circuit is driven at resonance by the piezoelectric strain actuator, the piezoelectric counterforce actuator is driven to apply a canceling force to the engine or transmission cover.
3. (Original) The vibration control device of claim 1, wherein the piezoelectric strain actuator is attached to the engine or transmission cover adjacent to a relatively rigid part thereof.
4. (Original) The vibration control device of claim 1, wherein the piezoelectric strain actuator is attached to the engine or transmission cover adjacent to a point of vibration thereof.
5. (New) A resonant vibration control device for an engine cover or transmission cover, comprising:
  - a piezoelectric strain actuator attached to a surface of the engine cover or transmission cover thereof adjacent to a point of resonant vibration;

a passive resonance circuit operatively connected to the piezoelectric strain actuator to absorb or dissipate vibration of the engine cover or transmission cover resulting from gear or chain-induced vibration, the passive resonance circuit tuned to a predetermined band of resonance frequencies of vibration of the engine cover or the transmission cover to be controlled; and

a piezoelectric counterforce actuator having an input coupled to the resonance circuit, such that when the circuit driven at resonance by the piezoelectric strain actuator, the piezoelectric counterforce actuator is driven to apply a canceling force to the engine cover or transmission cover.

6. (New) A resonant vibration control device for an engine cover or transmission cover, comprising:

a piezoelectric strain actuator attached to a surface of the engine cover or transmission cover thereof adjacent to a rigid portion of the engine cover or transmission cover;

a passive resonance circuit operatively connected to the piezoelectric strain actuator to absorb or dissipate vibration of the engine cover or transmission cover resulting from gear or chain-induced vibration, the passive resonance circuit tuned to a predetermined band of resonance frequencies of vibration of the engine cover or the transmission cover to be controlled; and

a piezoelectric counterforce actuator having an input coupled to the resonance circuit, such that when the circuit driven at resonance by the piezoelectric strain actuator, the piezoelectric counterforce actuator is driven to apply a canceling force to the engine cover or transmission cover.